

(C) WPI / DERWENT

XP-002390710

AN - 1999-366912 [31]

AP - JP19970301810 19971104

CPY - SUMD

DC - L02

DR - 1694-U

FS - CPI

IC - C04B7/345 ; C04B28/02

MC - L02-D13A

PA - (SUMD) SUMITOMO CEMENT CO LTD

PN - JP11139859 A 19990525 DW199931 C04B28/02 005pp

PR - JP19970301810 19971104

XA - C1999-108187

XIC - C04B-007/345 ; C04B-028/02 ; (C04B-007/345 C04B-018/08 C04B-028/02)

AB - JP11139859 Composition (A) is composed of super quick setting cement

(B), fine aggregate (C), fly ash (D), and chemical admixture (E). (D)
diameter is less than 10 microns and it occupies 10-40 wt. % of the
sum of (B) and (D).

- Preferably sum of (B) and (D) occupies 50-90 wt. % of (A). B comprises
at least one of $(12\text{CaO-7Al}_2\text{O}_3)$, $((11\text{CaO-7Al}_2\text{O}_3\text{-CaX}_2)$, where (X) is
halogen), $(3\text{CaO-3Al}_2\text{O}_3\text{-CaSO}_4)$, and amorphous calcium aluminate,
containing silica sand.

- USE - Used as super quick setting cement composition.

- ADVANTAGE - This method is able to prepare cement mortar which shows
high fluidity 20 minutes after its mixing and also shows high early
strength after 2 hours of mixing.

- (Dwg.0/0)

C - C04B7/345 C04B18/08 C04B28/02

IW - RAPID SET CEMENT COMPOSITION CALCIUM ALUMINATE CALCIUM ALUMINO
SULPHATE BASED MATERIAL

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NC - 001

OPD - 1997-11-04

ORD - 1999-05-25

PAW - (SUMD) SUMITOMO CEMENT CO LTD

TI - Rapid setting cement compositions - includes e.g. calcium aluminate
and calcium alumino-sulphate based materials